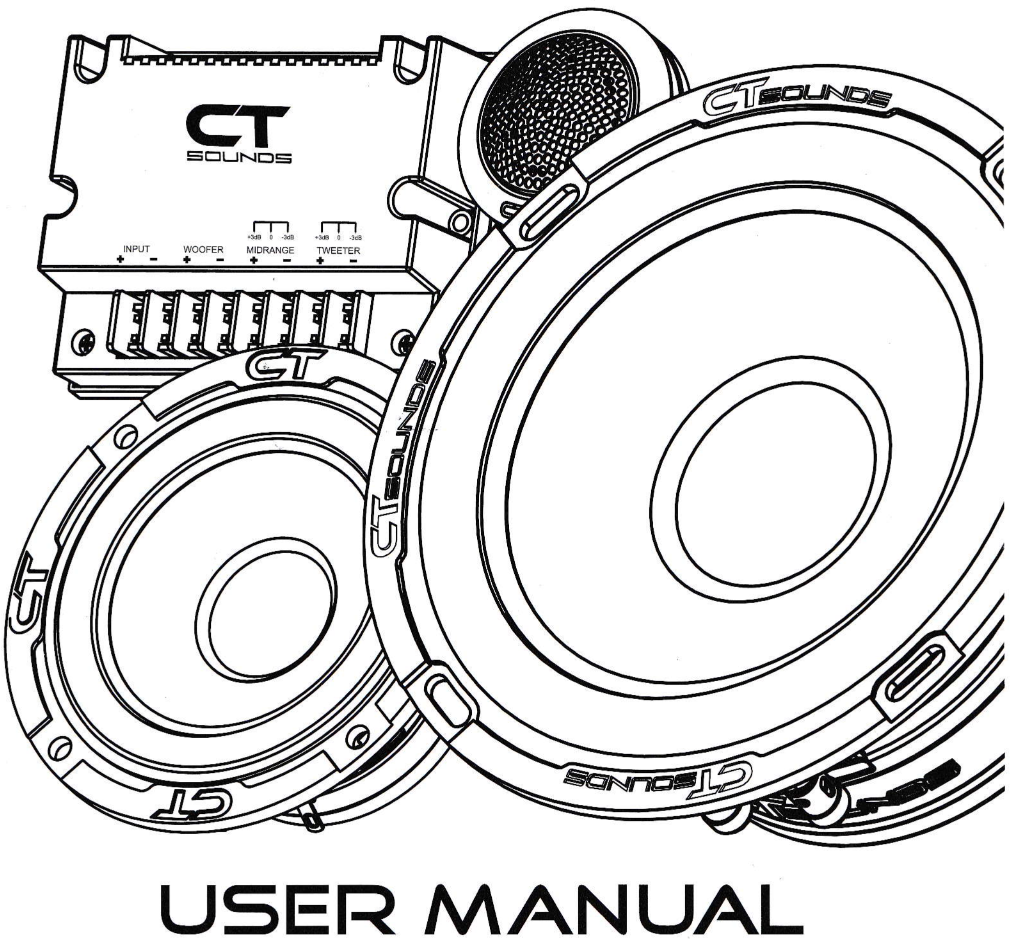
CT SOUNDS

COMPONENT SPEAKERS



USER MANUAL

INTRODUCTION

Thank you for purchasing a CT Sounds speaker for your car audio system. You have chosen CT Sounds because you deserve the best!

CT Sounds speakers are designed and engineered to the highest quality standards in the industry to create the ultimate listening experience in your vehicle.

For optimal performance of this product, it is highly recommended that you thoroughly read through this manual before getting started. This manual will help familiarize yourself with this speaker and guide you through the installation process and procedures.

If you have any questions regarding the instructions in this manual or the speaker's operation capabilities, please contact us at hello@ctsounds.com

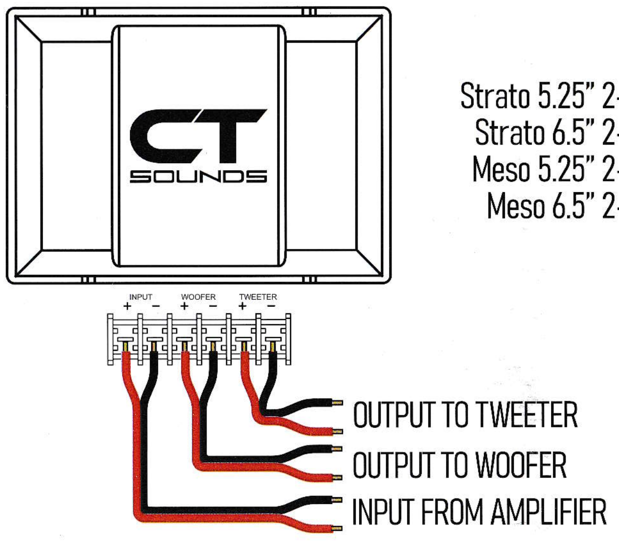
2-WAY SPEAKER SPECIFICATIONS

MODEL	STRATO 5.25" 2-WAY COMPONENT	STRATO 6.5" 2-WAY COMPONENT	STRATO PA 6.5" 2-WAY COMPONENT	MESO 5.25" 2-WAY COMPONENT	MESO 6.5" 2-WAY COMPONENT
TECHNICAL SPECIFICATIONS:					
SPEAKER SIZE:	5.25"	6.5"	6.5"	5.25"	6.5"
SPEAKER TYPE:	2-Way Component	2-Way Component	2-Way Component	2-Way Component	2-Way Component
IMPEDANCE PER SPEAKERS SET (WOOFER+TWEETER):	4-Ohm	4-Ohm	4-Ohm	4-Ohm	4-Ohm
POWER PER SPEAKERS SET:	50W (RMS) | 100W (MAX)	60W (RMS) | 120W (MAX)	60W (RMS) | 120W (MAX)	60W (RMS) | 120W (MAX)	80W (RMS) | 160W (MAX)
TOTAL SYSTEM POWER:	100W (RMS) | 200W (MAX)	120W (RMS) | 240W (MAX)	120W (RMS) | 240W (MAX)	120W (RMS) | 240W (MAX)	160W (RMS) | 320W (MAX)
WOOFER:					
VOICE COIL (DIA):	1"	1"	1.52"	1.4"	1.4"
SWEEP VOLTAGE:	10.4 V	10.4 V	12 V	12 V	12 V
OUTPUT SPL (@1W/1M):	87 dB	88 dB	90 dB	88 dB	89 dB
RESONANT FREQUENCY:	85 Hz	65 Hz	90 Hz	75 Hz	65 Hz
X-OVER POINT:	3.5 kHz		3.0 kHz		
FREQUENCY RESPONSE (@SPL -10DB):	45 Hz ~ 20 kHz	40 Hz ~ 20 kHz	65 Hz ~ 20 kHz	45 Hz ~ 20 kHz	40 Hz ~ 20 kHz
MAGNET WEIGHT:	14 Oz	14 Oz	25 Oz	21 Oz	21 Oz
MAGNET TYPE:	Y30 Ferrite	Y30 Ferrite	Y30 ferrite	Y30 Ferrite	Y30 Ferrite
TWEETER:					
SWEEP VOLTAGE:	2.8 V	2.8 V	2.8 V	2.8 V	2.8 V
OUTPUT SPL (@1W/1M):	88 dB	88 dB	90 dB	89 dB	90 dB
FREQUENCY RESPONSE (@SPL -10DB):	1.5 kHz ~ 20 kHz	1.5 kHz ~ 20 kHz	1.5 kHz ~ 20kHz	1.5 kHz ~ 20 kHz	1.5 kHz ~ 20 kHz
TWEETER SIZE (DIA):	19mm	19mm	25mm	25mm	25mm
TWEETER TYPE:	Silk-dome covered with metal mesh face grille	Silk-dome covered with metal mesh face grille	Silk-dome covered with metal mesh face grille	Silk-dome with metal mesh & face grille	Silk-dome covered with metal mesh face grille
MAGNET TYPE:	Neo (N38H)	Neo (N38H)	Neo (N38H)	Neo (N38H)	Neo (N38H)
CROSSOVER:					
CROSSOVER CIRCUIT:	4 µF capacitor / 100 V	4 µF Capacitor / 100 V	5.6 µF Capacitor / 100 V	5.6 µF Capacitor / 100 V	5.6 µF Capacitor / 100 V
FILTER FOR WOOFER:	6 dB	6 dB	12 dB	12 dB	12 dB
FILTER FOR TWEETER:	12 dB	12 dB	12 dB	12 dB	12 dB

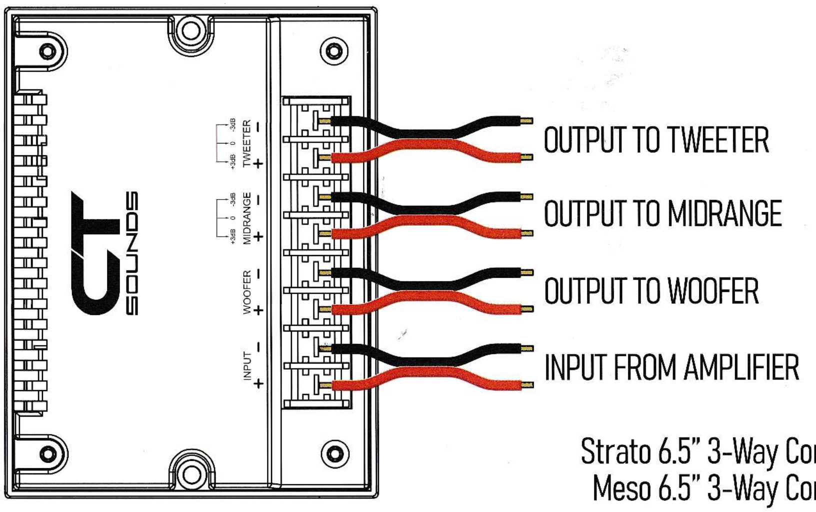
3-WAY SPEAKER SPECIFICATIONS

MODEL	STRATO 6.5" 3-WAY COMPONENT	MESO 6.5" 3-WAY COMPONENT
TECHNICAL SPECIFICATIONS:		
SPEAKER SIZE:	6.5"	6.5"
SPEAKER TYPE:	3-Way Component	3-Way Component
IMPEDANCE PER SPEAKERS SET (WOOFER+TWEETER):	4-Ohm	4-Ohm
POWER PER SPEAKERS SET:	110W (RMS) | 220W (MAX)	125W (RMS) | 250W (MAX)
TOTAL SYSTEM POWER:	220W (RMS) | 440W (MAX)	250W (RMS | 500W (MAX)
WOOFER:		
VOICE COIL (DIA):	1.4"	1.4"
SWEEP VOLTAGE: OUTPUT SPL (@1W/1M):	11 V	11 V
RESONANT FREQUENCY:	70 Hz	65 Hz
X-OVER POINT:	2.8 kHz	2.8 kHz
FREQUENCY RESPONSE (@SPL -10DB):	55 Hz ~ 4.5 kHz	50 Hz ~ 4.5 kHz
MAGNET WEIGHT:	21 Oz	21 Oz
MAGNET TYPE:	Y30 Ferrite	Y30 Ferrite
MID-RANGE WOOFER:		
RATED POWER PER SPEAKER:	25W (RMS) | 50W (MAX)	30W (RMS) | 60W (MAX)
RATED POWER PER SPEAKER PAIR:	50W (RMS) |100W (MAX)	60W (RMS) | 120W (MAX)
OUTPUT SPL (@1W/1M):	86 dB	88 dB
FREQUENCY RESPONSE (@SPL -10DB):	300 Hz ~ 15 kHz	300 Hz ~ 1.5 kHz
X-OVER POINT:	2.5 kHz	2.5 kHz
MAGNET SIZE:	Ferrite 65mm X 10mm	Neo 48mm X 26mm
MAGNET WEIGHT:	Ferrite (Y30), 4 Oz	Neo (N38H), 1.9 Oz
CONE MATERIAL:	IMPP Cone with NBR Surround	Glass Fiber cone with NBR surround
TWEETER:		
SWEEP VOLTAGE:	2.8 V	2.8 V
OUTPUT SPL (@1W/1M):	92 dB	90 dB
FREQUENCY RESPONSE (@SPL -10DB):	1.5 kHz ~ 20 kHz	1.5 kHz ~ 20 kHz
TWEETER SIZE (DIA):	25mm	25mm
TWEETER TYPE:	Silk-dome covered with metal mesh face grille	Silk-dome covered with metal mesh face grille
MAGNET TYPE:	Neo (N38H)	Neo (N38H)
CROSSOVER:		
CROSSOVER CIRCUIT:	5.6 µF Capacitor / 100 V	5.6 µF Capacitor / 100 V
FILTER FOR WOOFER:	12 dB	12 dB
FILTER FOR MID-RANGE:	18 dB	18 dB
FILTER FOR TWEETER:	12 dB	12 dB

CROSSOVERS



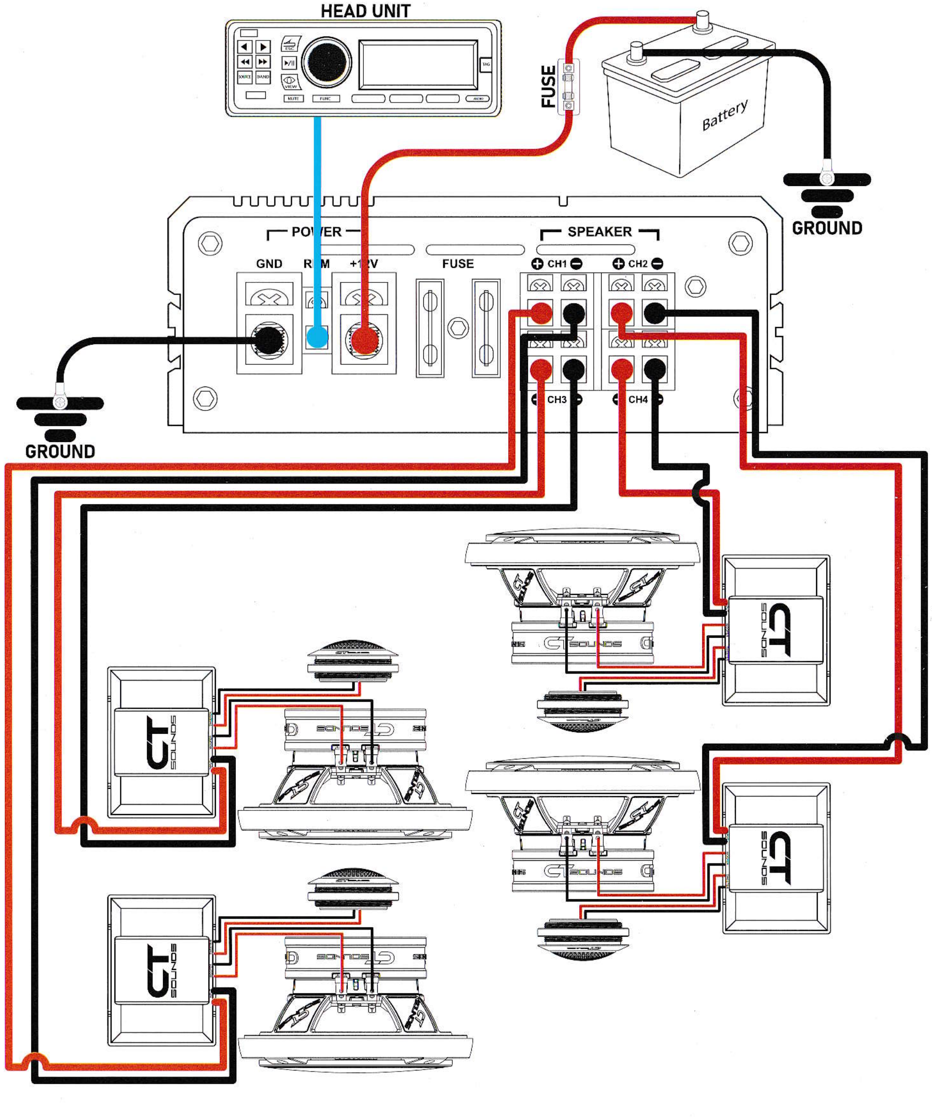
FOR
Strato 5.25" 2-Way Component
Strato 6.5" 2-Way Component
Meso 5.25" 2-Way Component
Meso 6.5" 2-Way Component



FOR
Strato 6.5" 3-Way Component
Meso 6.5" 3-Way Component

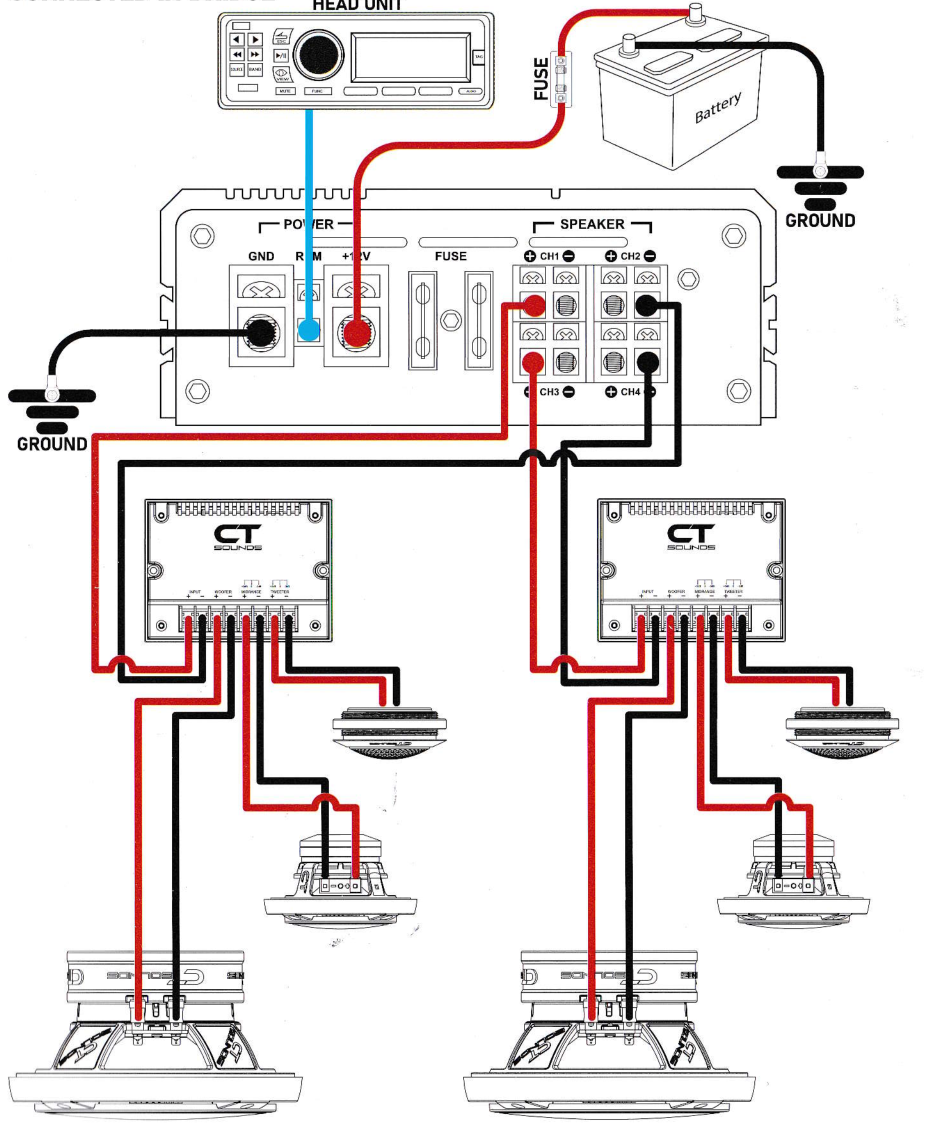
2-WAY SPEAKER WIRING DIAGRAMS

2 SETS OF 2-WAY SPEAKERS POWERED BY A 4-CHANNEL AMPLIFIER



3-WAY SPEAKER WIRING DIAGRAM

1 SET OF 3-WAY SPEAKERS POWERED BY A 4-CHANNEL AMPLIFIER CONNECTED IN BRIDGE



LIMITED WARRANTY

KEEP THE ORIGINAL PACKAGING IN CASE OF RETURN

To start a warranty process, please open a claim here: https://www.ctsounds.com/a/returns

CT Sounds' Warranty Policy covers defects in materials only. Our warranty policy does not cover the following:

- User error
- Accidental damage
- Improper installation
- Product abuse
- Using the product outside of recommended specifications
- Modified or repaired products
- Amplifiers without a warranty seal

30-DAY MONEY BACK RETURN POLICY

KEEP THE ORIGINAL PACKAGING IN CASE OF RETURN

CT Sounds stands behind our products and if you are not 100% satisfied with your purchase you may return it within 30 days of delivery (delivery means the date the shipment was marked delivered by the carrier's tracking number). CT Sounds provides a prepaid return label (RMA# and return shipping address) that will be sent to you via email.

Upon receiving your items, we request 2 business days to inspect the item and process your return. Once inspected and processed by our team for a refund, we will credit the purchase price back to the original payment method less the cost of the shipping rate we paid to send the item to you. Please allow 3 to 5 business days for your funds to arrive back to your original payment method. If we discover the item was used, we will not issue a refund. You can start a return by visiting this link: https://www.ctsounds.com/a/returns

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COMPANY VALUES

- **QUALITY** - We focus our utmost attention to detail of function and aesthetics while delivering a premium product to our clients.
- **CLIENT COMMITMENT** - We hold the highest standard of service and strive to surpass the expectations of our clients. Our motto is SERVIAM, which means to serve. You can reach our team at hello@ctsounds.com.
- **COMMUNITY** - We develop relationships and bring audio enthusiasts together from all over the world that share similar interests and hobbies. We strive to connect all walks of life. We treat everyone with respect and dignity and, most importantly, having fun while doing so. We invite you to join the CT Sounds FAMILY.
- **PASSION** - We wholeheartedly believe no vision can endure unless built upon passion and desire to bring value to our clients. YOU are the reason we get up every day. We love car audio and especially our clients.
- **IMPROVEMENT** - We, as a company, are consistently and continuously testing and improving products that are redefining the industry. There is always room for improvement. We believe you deserve better, and we commit to being better every day! CT Sounds is the Future of Sound. We look forward to serving you.